

IN THE CLAIMS:

Please cancel Claims 1, 2, and 4 without prejudice or disclaimer of the subject matter thereof.

Please append the following new Claims for prosecution:

AS  
SUB  
BS

7. A multipurpose input device for coupling an AC input source to a DC circuit, the multipurpose input device comprising:

- a magnetic core, said magnetic core characterized by high magnetic permeability;
- ~~a pair of electrical leads;~~
- a coil having a predetermined electrical resistance between first and second terminals thereof, said first and second terminals being electrically coupled to a corresponding one of said pair of electrical leads, said coil being constructed from a fusible material and helically disposed about said magnetic core, said fusible material causing an open circuit in said coil upon the flow of a predetermined electrical current therethrough.

MR2349-741

*Sub*  
8. The multipurpose input device as recited in Claim 7, wherein said magnetic core is characterized by high electrical resistance.

*PS cont'd.*  
9. The multipurpose input device as recited in Claim 8, wherein said pair of electrical leads are electrically coupled to said magnetic core.

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MR2349-741

Please replace Claims 3, 5, and 6, as originally filed, with the “clean copy”  
of the amended Claims as follows:

CLEAN COPY OF AMENDED CLAIMS:

3. (Amended) The multipurpose input device as recited in Claim 7, wherein said magnetic core has a coil frame or package mechanism to isolate said magnetic core from said electrical leads.

5. (Amended) The multipurpose input device as recited in Claim 7, wherein said coil is formed by helically disposing a first coil portion having a first number of turns about a second coil portion having a second number of turns, said first number of turns being less than said second number of turns.

6. (Amended) The multipurpose input device as recited in Claim 7, wherein a surface thereof is coated with a covering layer having protection effect.

A "marked-up" version of the amended Claims is as follows:

MARKED-UP COPY OF AMENDED CLAIMS:

3. (Amended) The multipurpose input device as ~~claimed~~ recited in Claim + 7, wherein said magnetic core has ~~an appropriate~~ a coil frame or package mechanism to ~~separate from a circuit~~ isolate said magnetic core from said electrical leads.

5. (Amended) The multipurpose input device as ~~claimed~~ recited in Claim + 7, wherein said coil ~~winding can be~~ is formed by ~~assembling~~ helically disposing a first coil ~~of a smaller portion having a first~~ number of turns ~~with about~~ a second coil ~~of a larger portion having a second~~ number of turns, said first number of turns being less than said second number of turns.

6. (Amended) The multipurpose input device as ~~claimed~~ recited in Claim + 7, wherein a surface thereof ~~can be~~ is coated with a covering layer having protection effect.